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DIALOG(R)File 351:Derwent WPI
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Continuously regulating viscous polymer soln. - by mixing regulated and non-regulated syrups, flash evapn., etc.

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Number of Countries: 001 Number of Patents: 002

Patent Family:

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JP 59213711 A 19841203 JP 8387154 A 19830517 198503 B

JP 89019682 B 19890412 198918

Priority Applications (No Type Date): JP 8387154 A 19830517

Patent Details:

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JP 59213711 A 9

Abstract (Basic): JP 59213711 A

Process comprises (a) mixing unregulated syrup with regulated syrup continuously at a wt. ratio of 1:1 - 200 (unregulated syrup: regulated syrup) under 1-20 atm. maintaining liq. condition to obtain mixed syrup at 1-70 deg.C; (b) flash-evaporating the mixed syrup continuously under 1 - 200 Torr to degasify, to cool and so concentrate the mixed syrup and to obtain regulated syrup at 0 - 50 deg.C; and (c) supplying a part of the regulated syrup to the mixing zone and supplying the residual syrup to following treatment zone.

Pref. the syrup is MMA syrup at 90 - 200 deg. C, obtd. by Polymerising raw soln. consisting of 1-0 - 80 wt.% MMA monomer or its mixt. with comonomer and 0 - 20 wt.% rubber polymer partially and continuously in the presence of radical polymerisation initiator. Polymer content of the syrup is 5-40 wt.% and viscosity of the syrup is 0.5 - 500 poise at 25 deg.C.

USE/ADVANTAGE - Regulated syrup is produced stably and continuously without causing adherence of polymer to the appts. or deterioration of the syrup.

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Derwent Class: A14

International Patent Class (Additional): C08F-002/02; C08F-006/14;
C08F-020/14; C08F-291/02